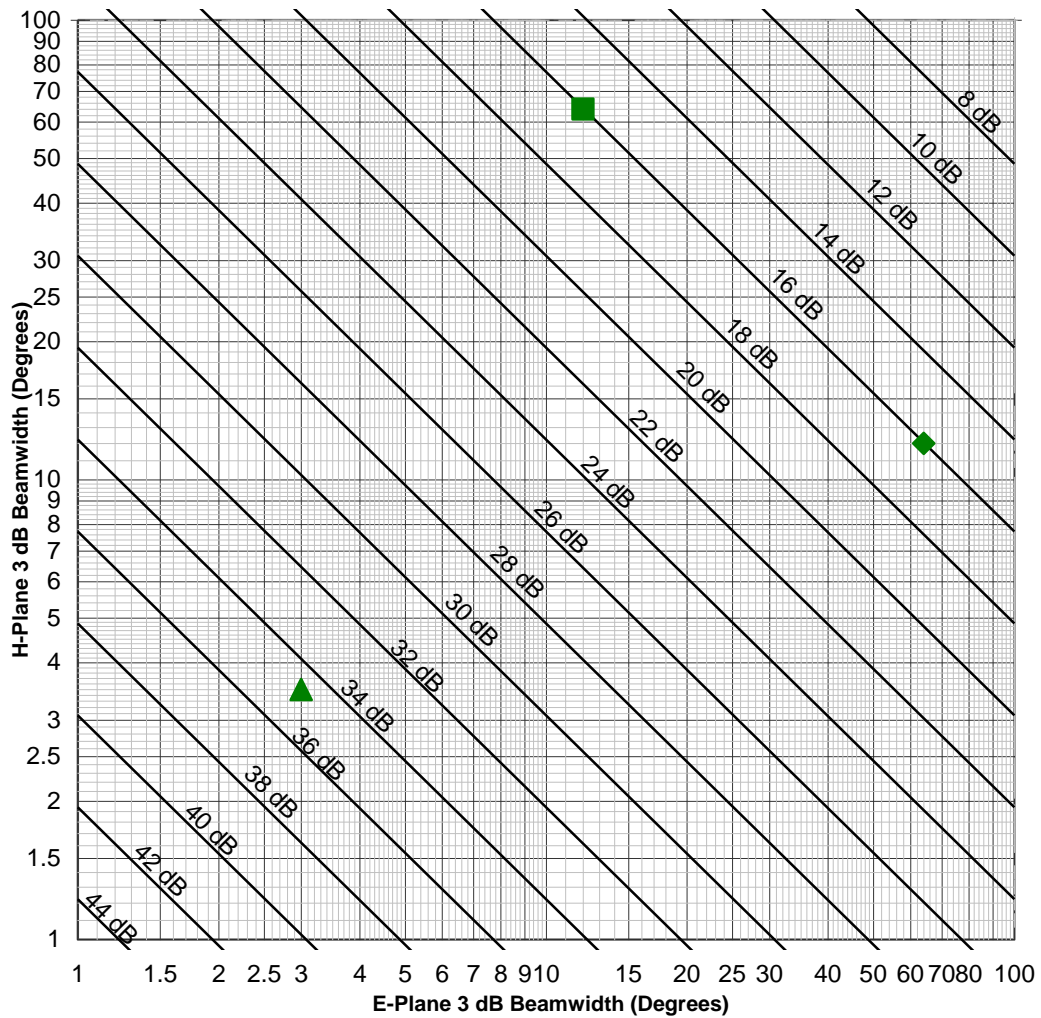


# ANTENNA DESIGN AIDS DIRECTIVITY AND BEAMWIDTH



- ◆ 20245-AA H-Plane Sectoral Horn: 64° E-plane, 12° H-plane, Gain ~16dBi
- 20245-AA E-Plane Sectoral Horn: 12° E-plane, 64° H-plane, Gain ~16dBi
- ▲ 20880-PA 250mm dia Lens Horn: 3° E-plane, 3.5° H-plane, Gain ~35dBi

### Notes

$$Directivity \approx \frac{41000\epsilon_M}{\theta_E\theta_H(\text{deg})}$$

$\epsilon_M \sim 0.75$ , Appendix A, 'Antennas', JD Kraus, McGraw-Hill 1988

Gain = Directivity – Antenna Losses

Please contact us to discuss your custom antenna requirements.



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